

FIG. 1

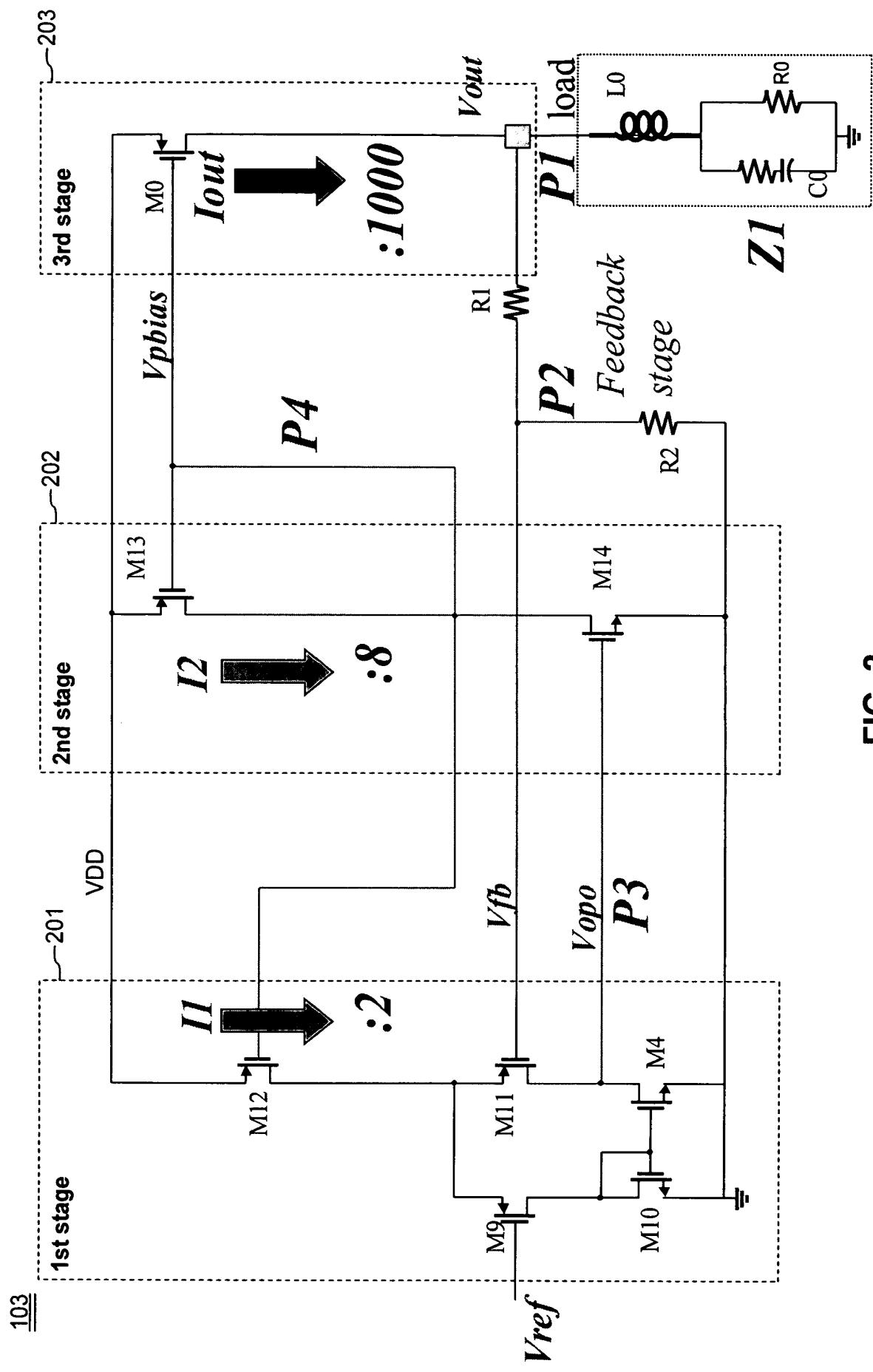
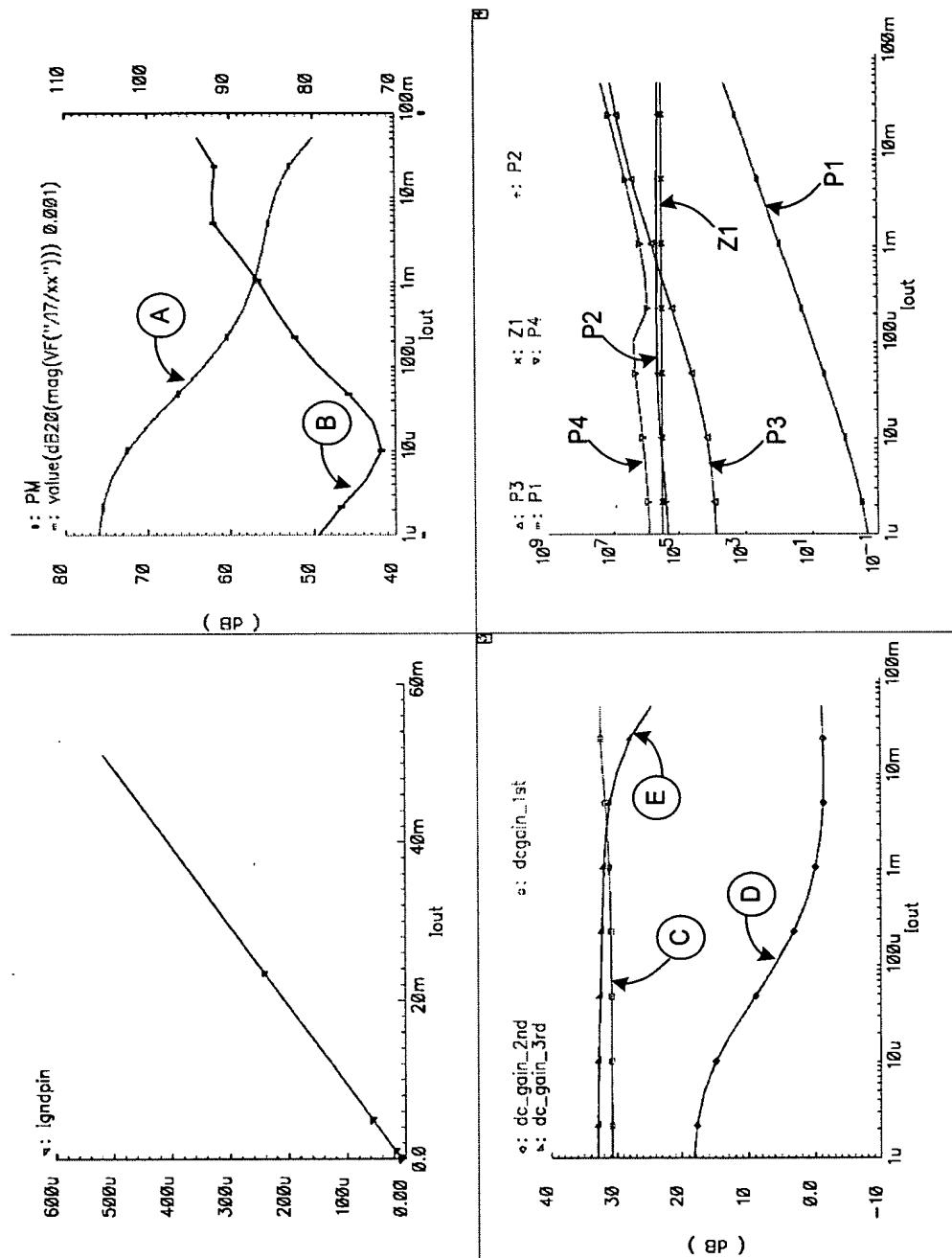


FIG. 2

FIG. 3

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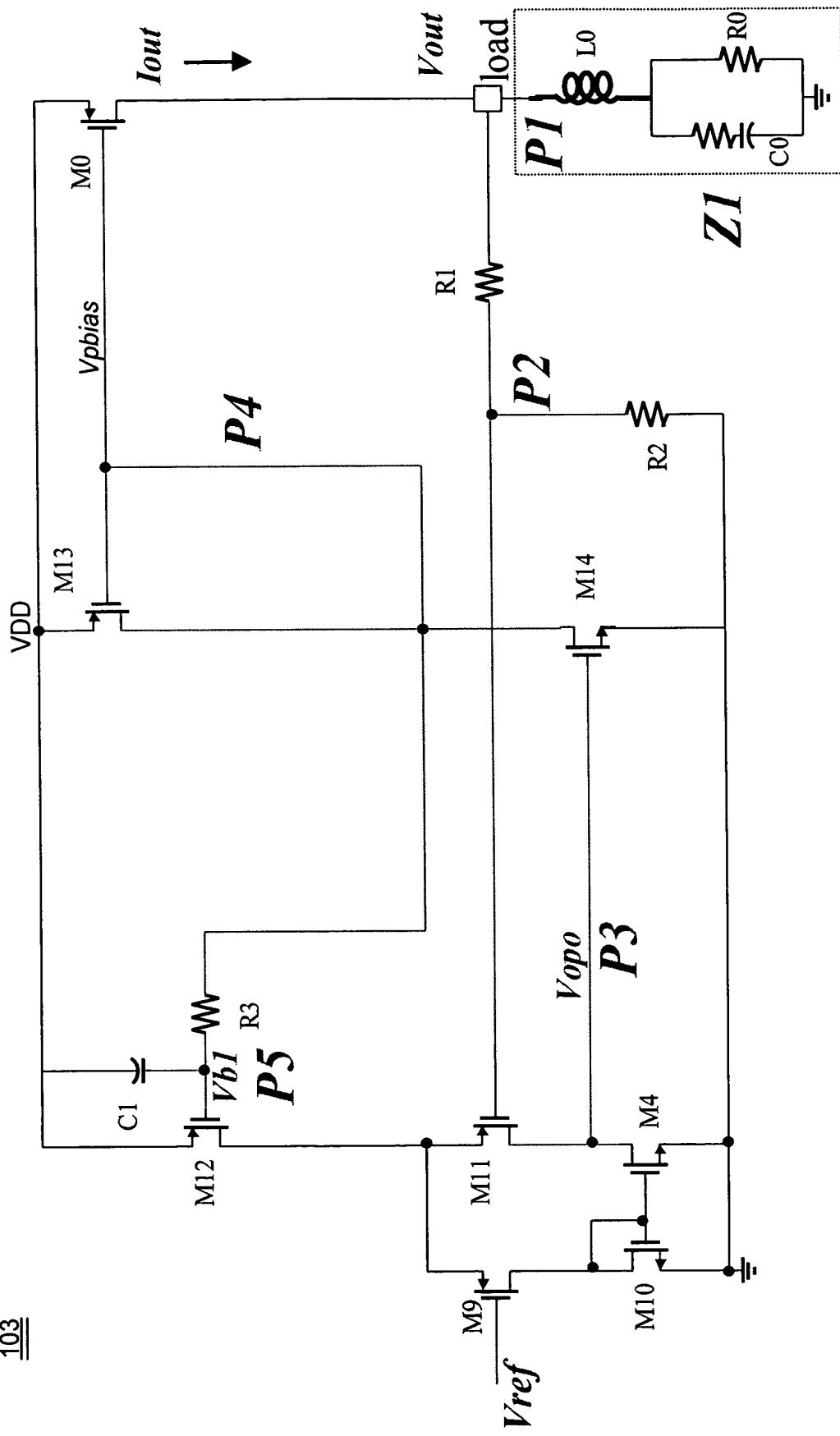
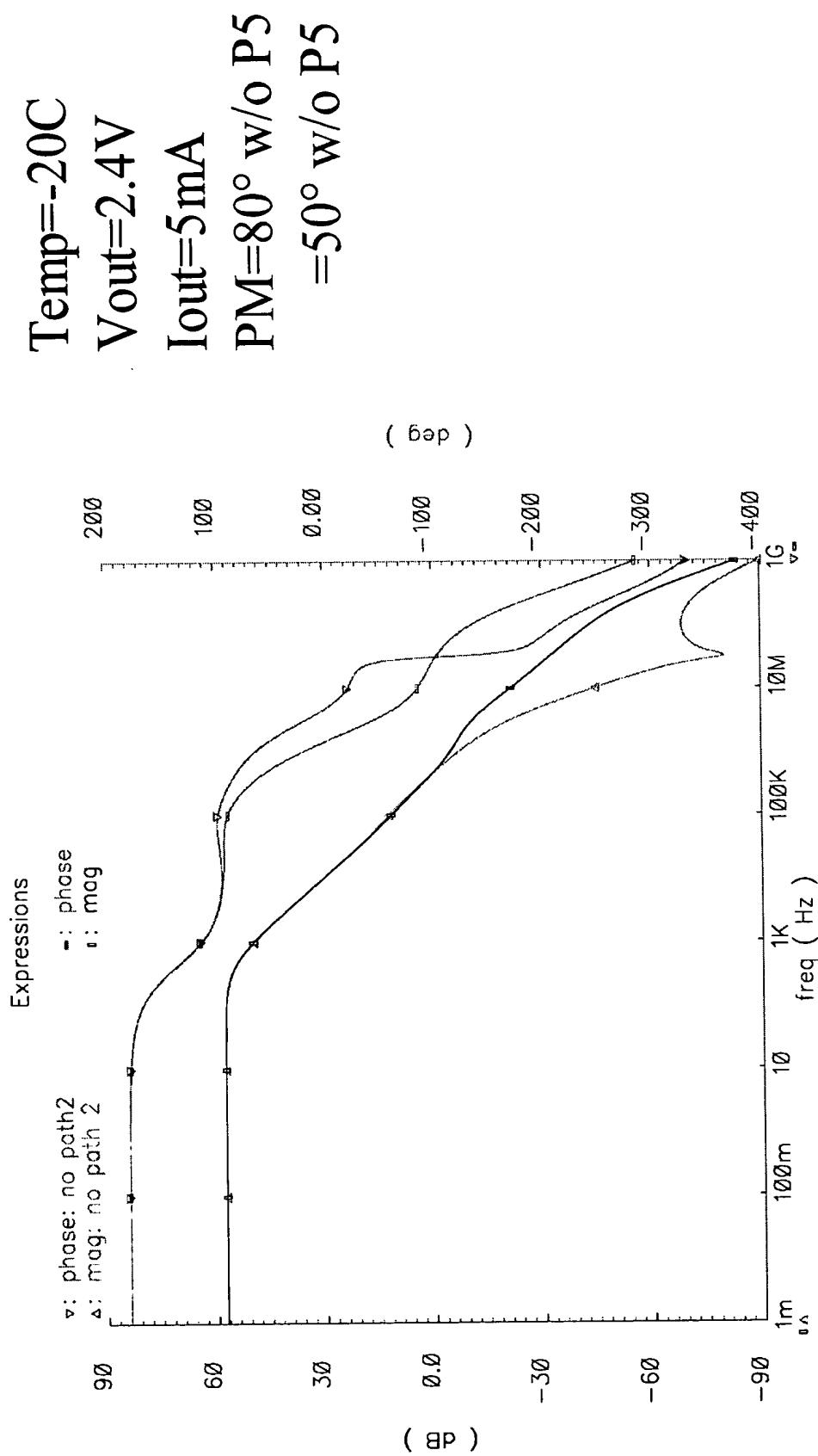


FIG. 4

FIG. 5

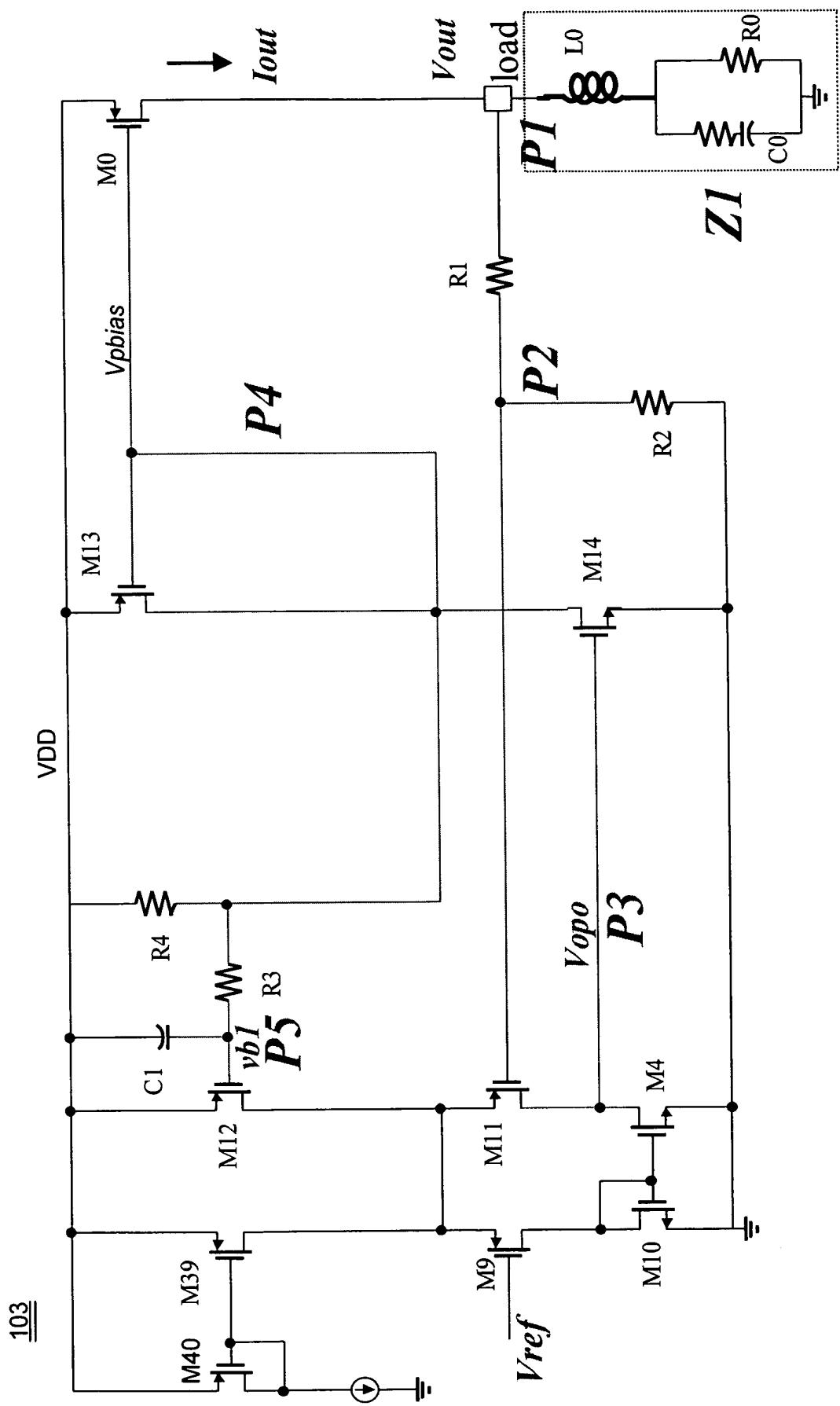


FIG. 6

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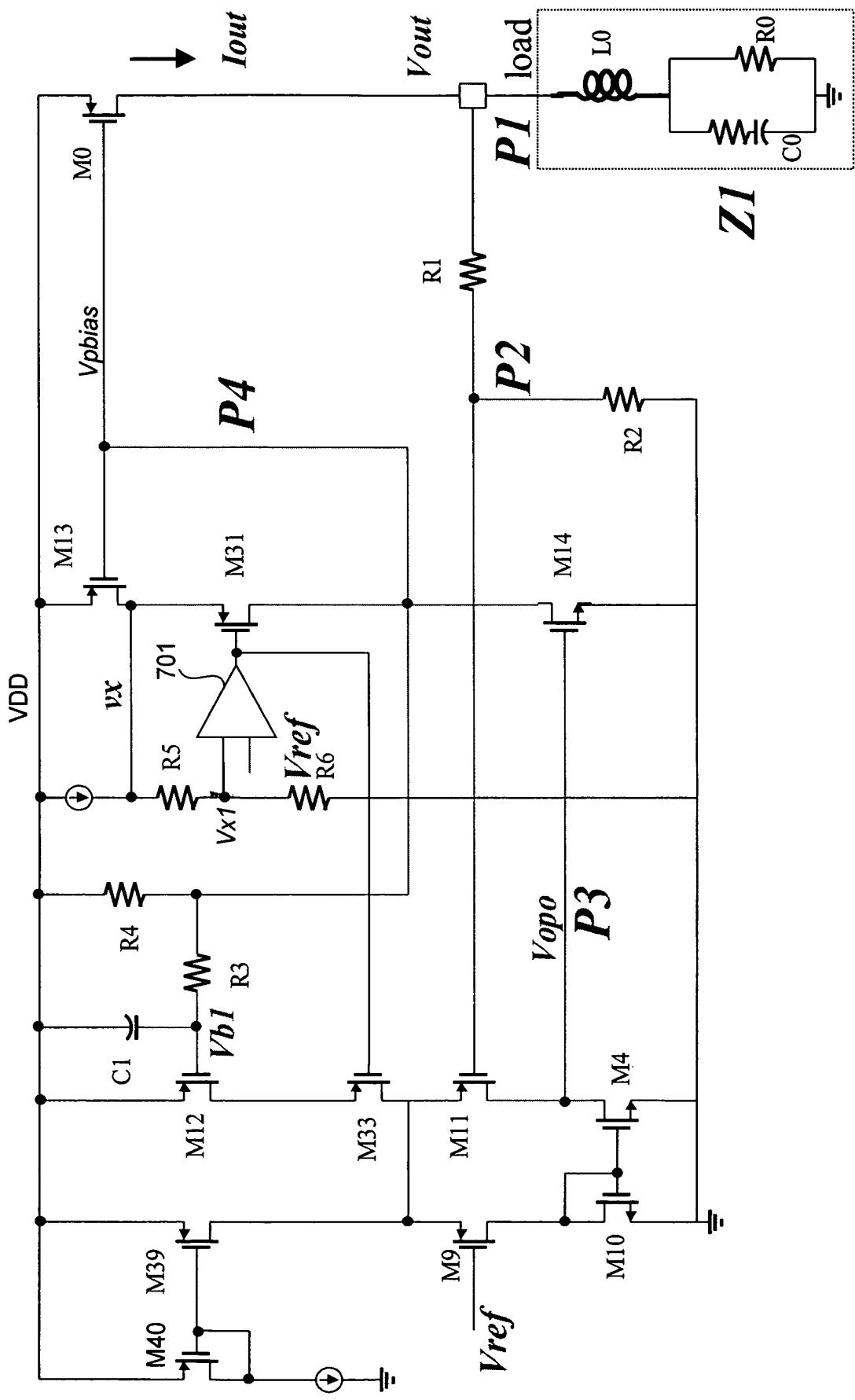


FIG. 7

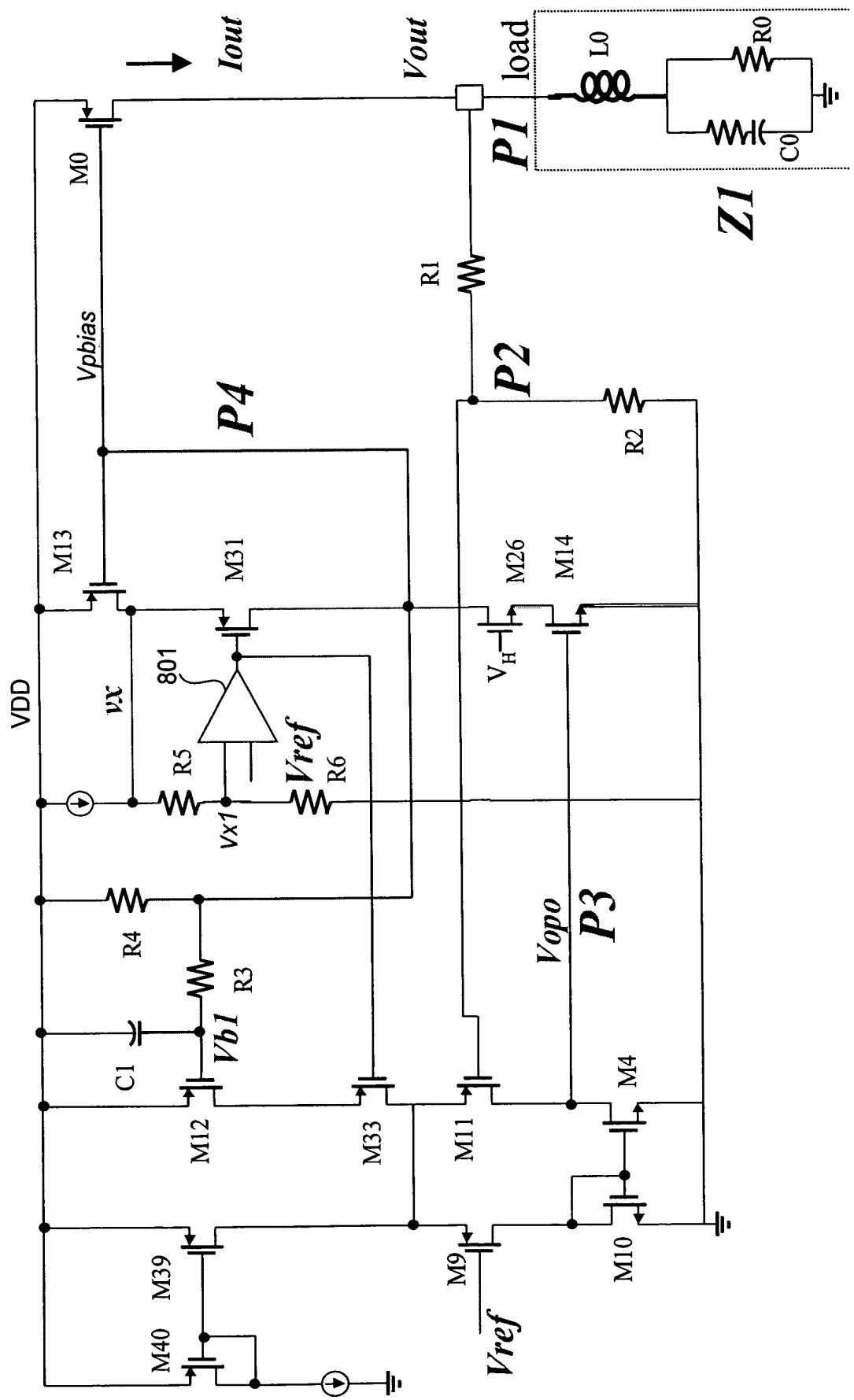


FIG. 8

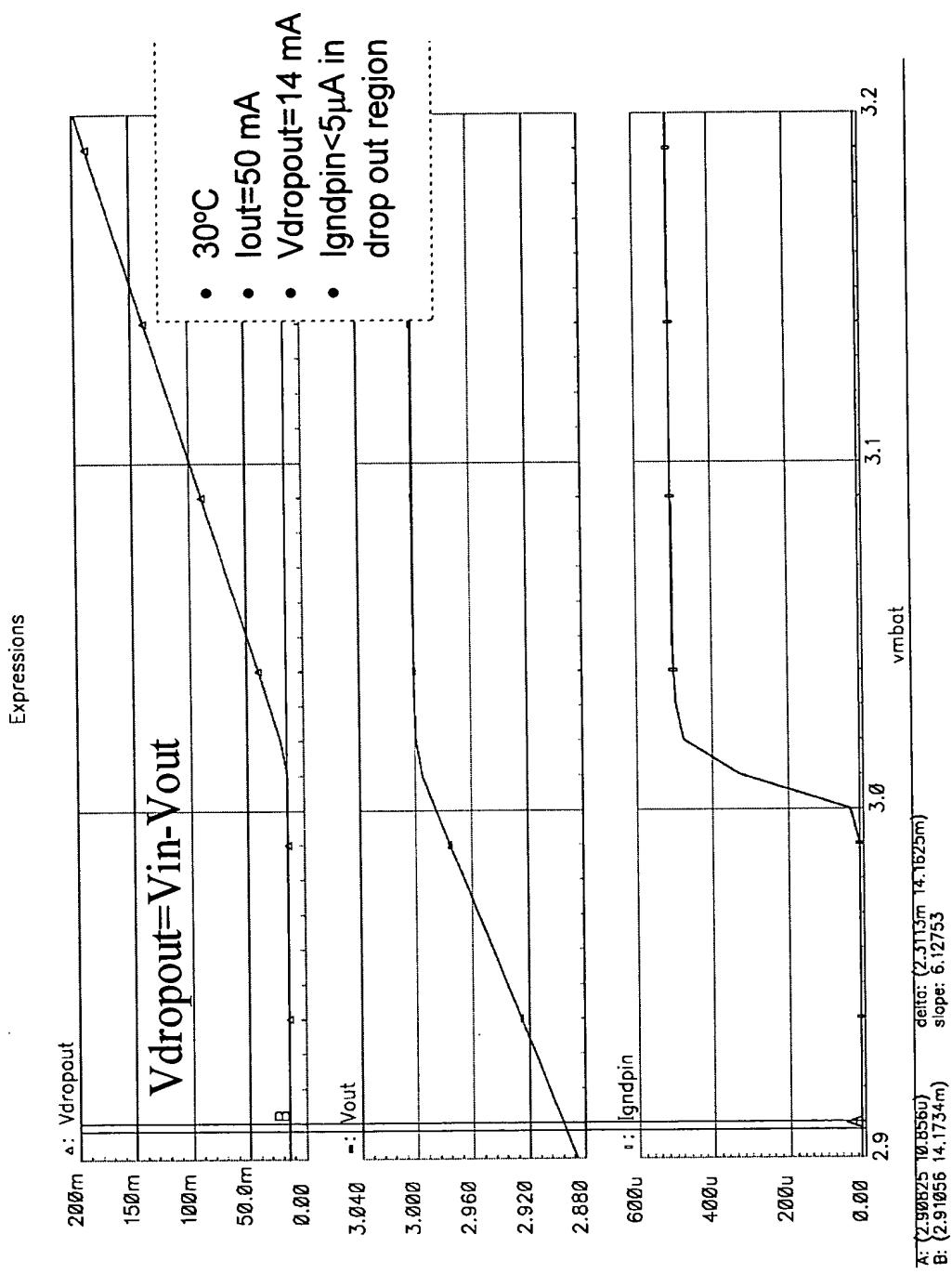
FIG. 9

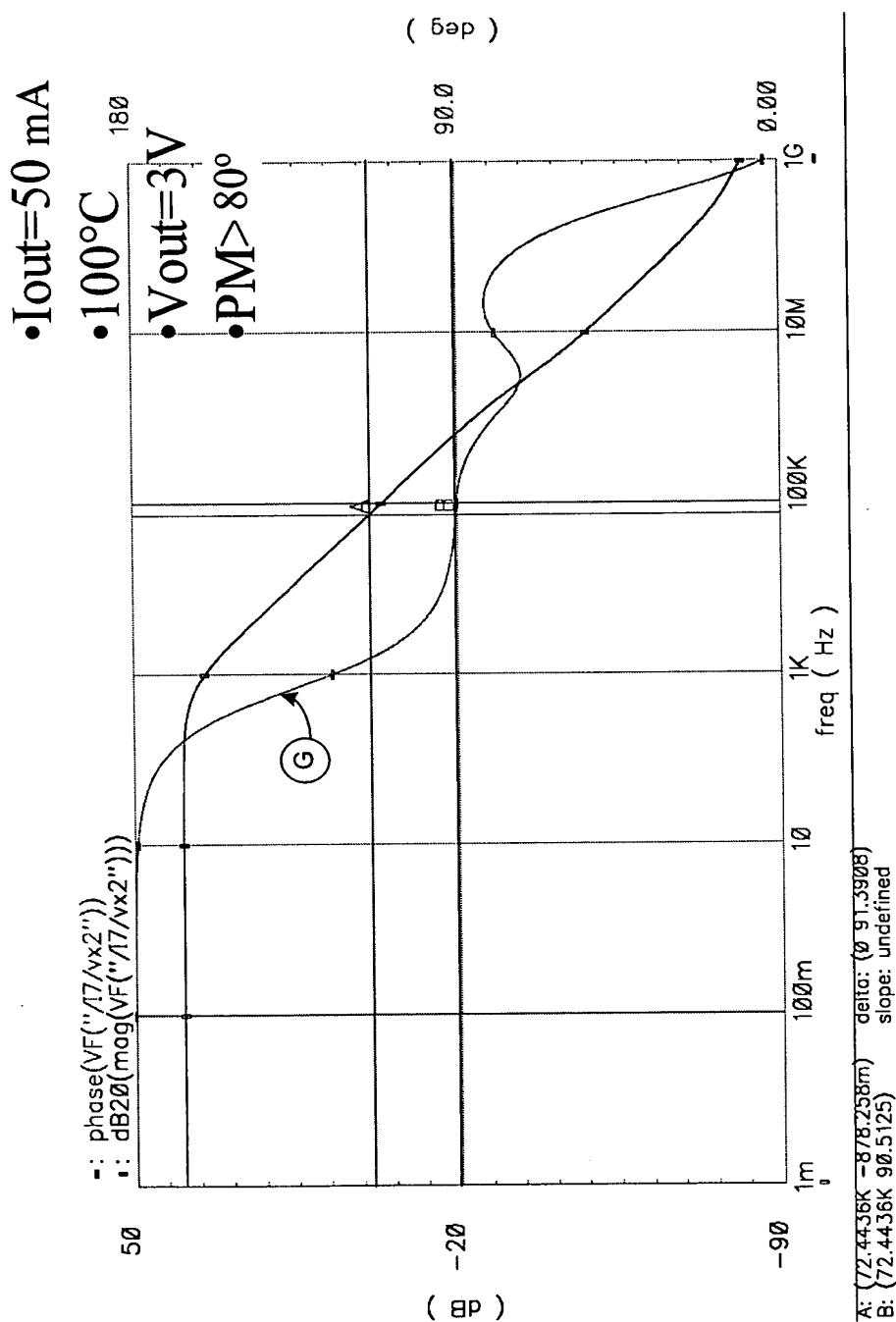
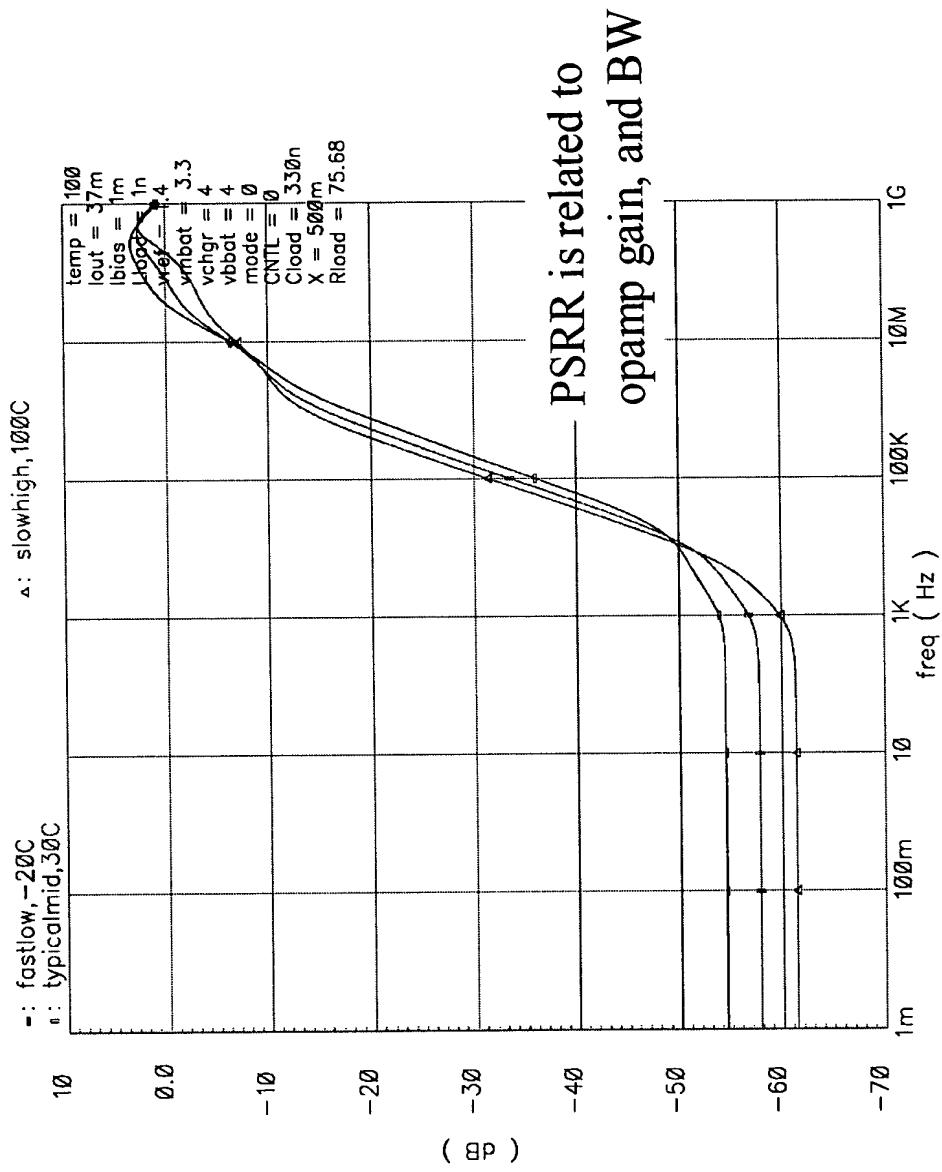
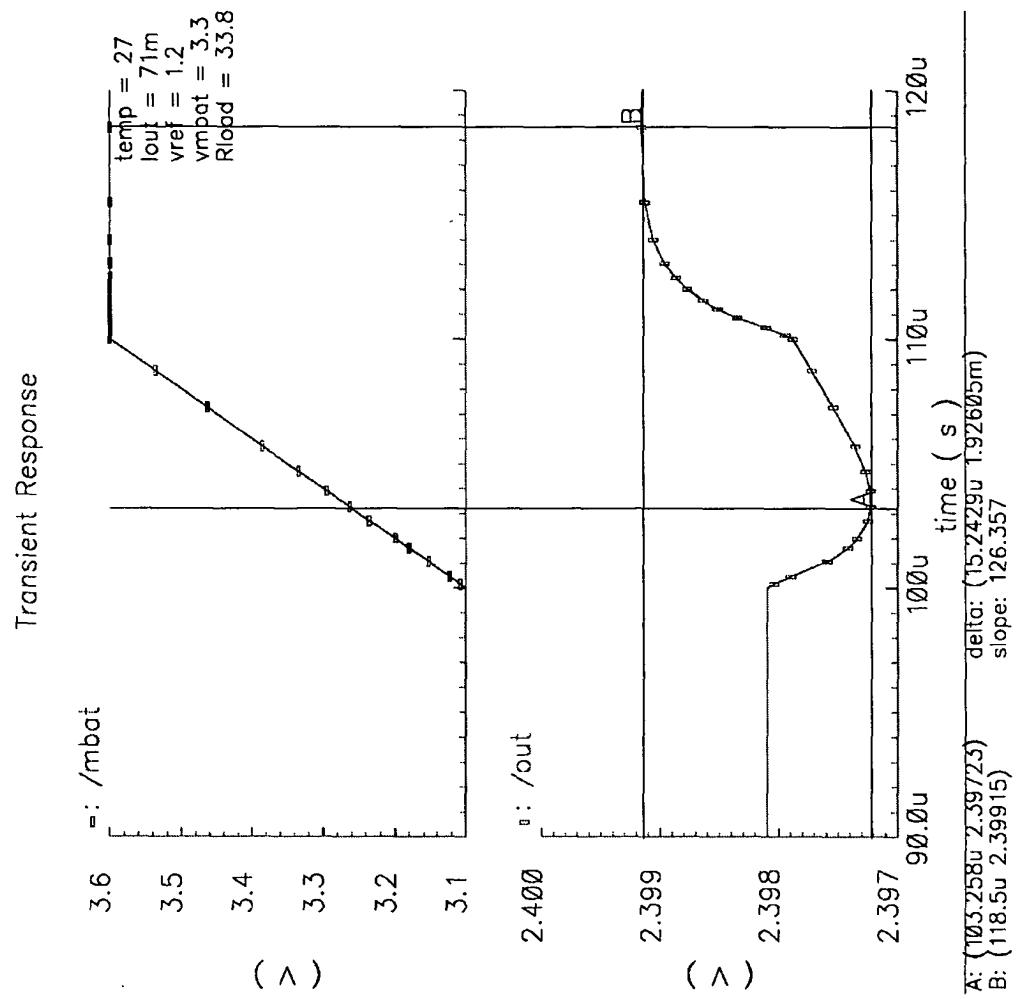
FIG. 10

FIG. 11

0302-12.vsd/11



**FIG. 12**

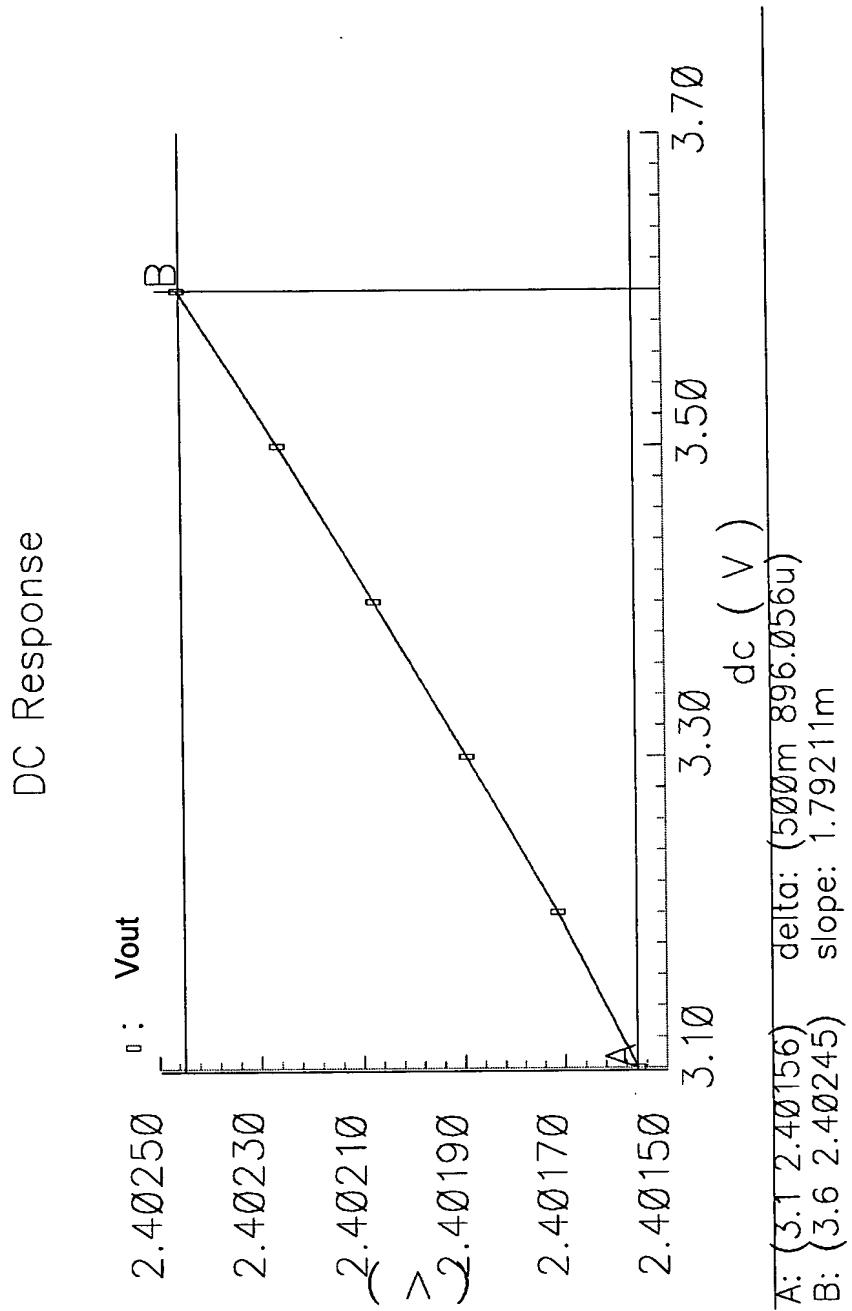


FIG. 13

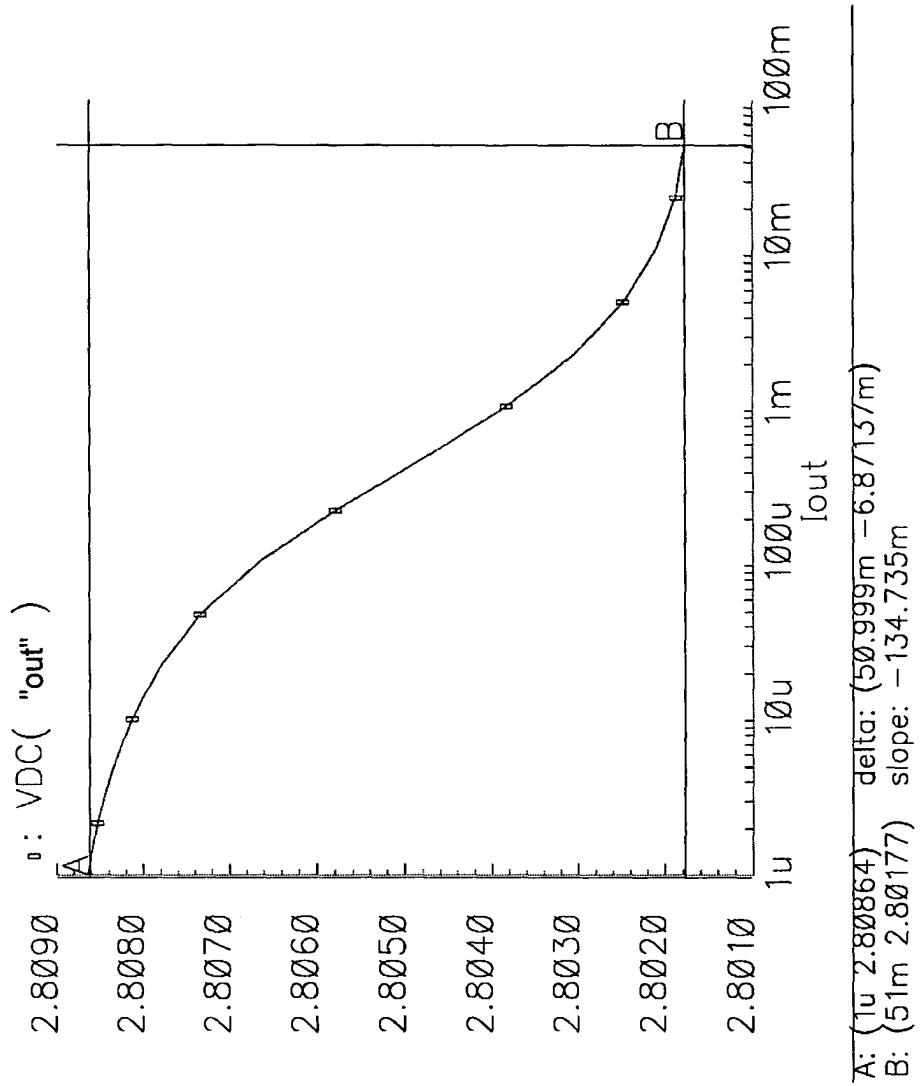
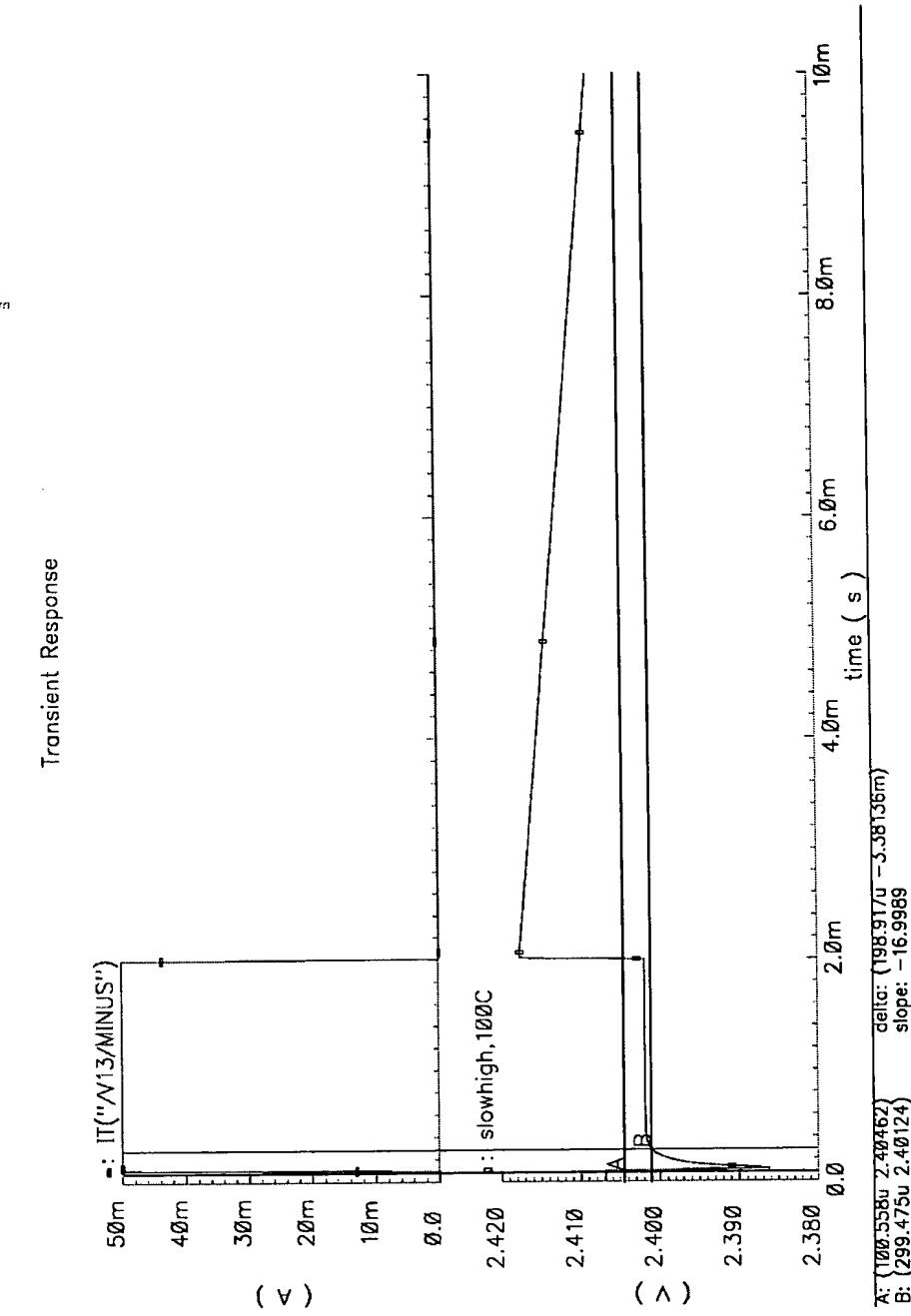


FIG. 14

FIG. 15

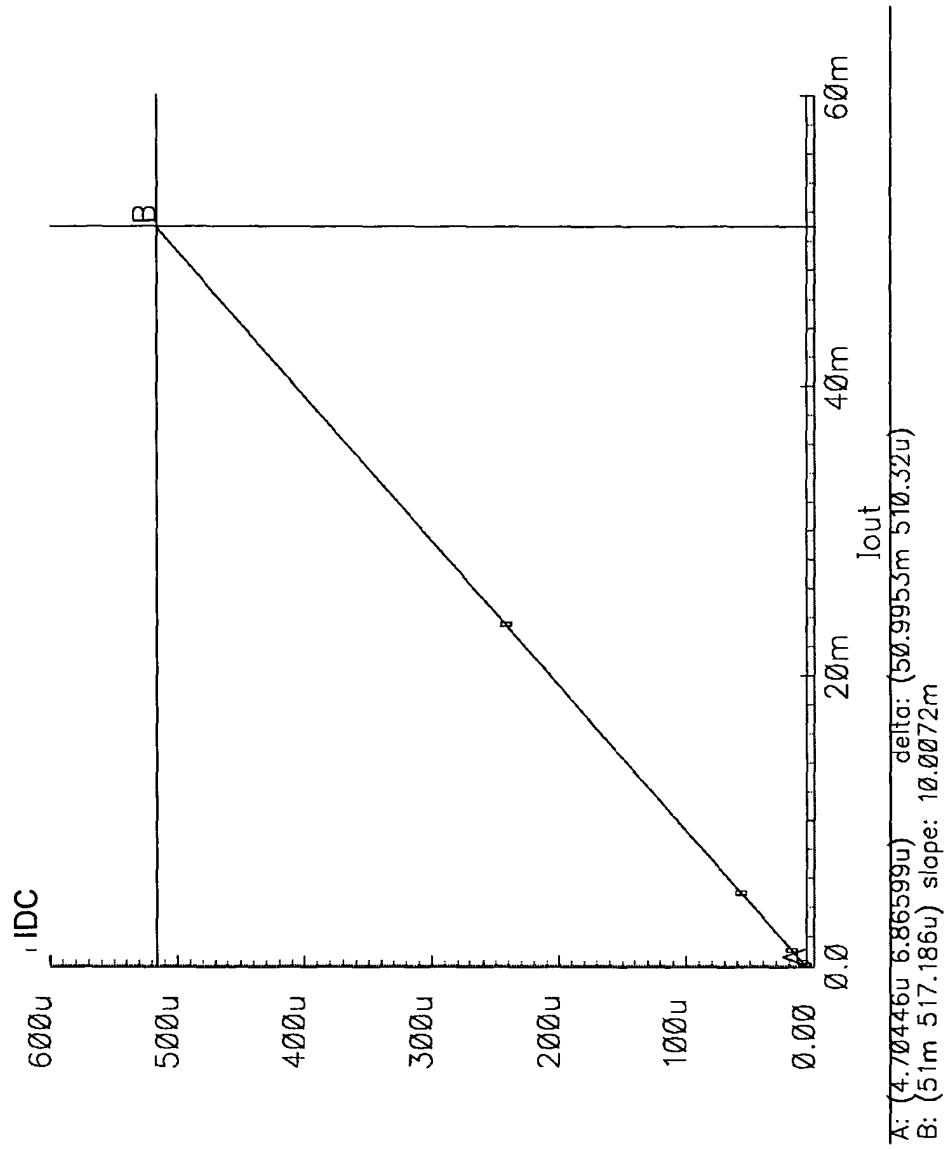


FIG. 16

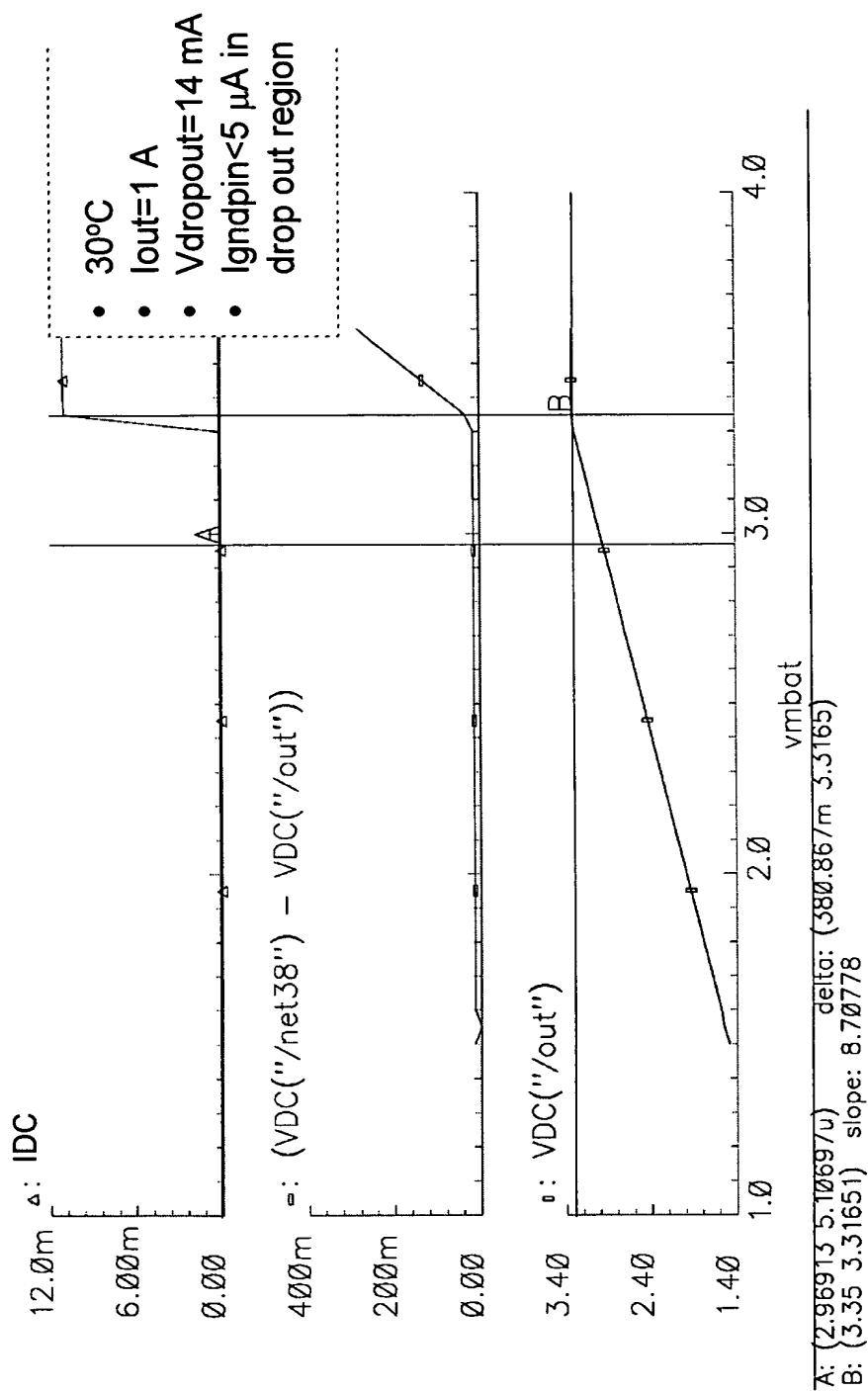
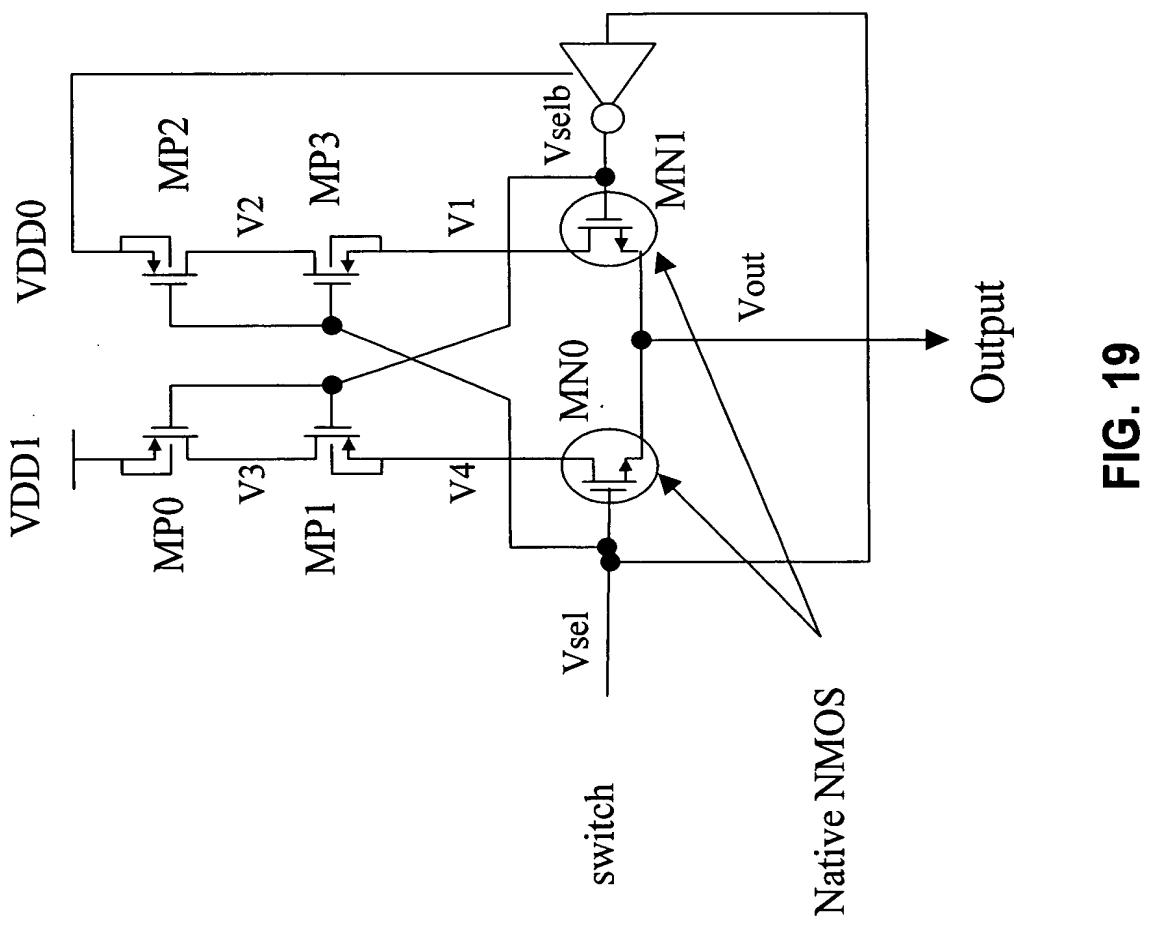


FIG. 17

FIG. 18

spec	Part #	TI	Maxim	Philips	BRCM	Unit
Output Current		TPS72116	MAX8875EUK15	PCF50604	BCM2123	
Output Voltage		150	150		150	mA
VO Accuracy		1.22-2.5	1.5	-	1.2-3.2	V
Input Voltage		+/- 3	+/- 3	+/-3.5	+/-3.5	%
Dropout voltage@150mA		1.8-5.5	2.5-6.5		3.3	
VO Line Step Response		150	165		14	mV
VO Load Regulation		0.014	0.01	0.01	0.002	%/mA
VO Load Step Response		6.3	0.9	4	0.9	%
Line Regulation		0.72	7.4	1	0.17	mV/V
Ground pin current@OFF		<1	<1	<1	<1	µA
Ground pin current@no load		85	85	30	7 or 21	µA
Ground pin Current@150mA		570	100	3000	1500	µA
Activation Time		20	20	130	12	µs
Output Noise Voltage(200-100K)		90	170		84	µV
PSRR@100Hz		48	60	60	58	dB
External Capacitor		1	10	4.7	3	µF

**FIG. 19**